Netspex Workflow

Appendix C

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Workflow:

1.0 **Preliminary preparation for design project flow.** There are various resources available for the user. These include, Standard Seed files, Cell Libraries, Borders and Companion files, Inroads INI files *(Inroads Preferences and Geometry Styles).* The user can retrieve and down load, these files from the web at http://w3saj/cadd/end/caddmanagementandsupport.htm. It is important to move all the needed resources to your project in Project Wise. This will require advance planning to determine the kinds of design files, which will be created in the project workflow.

1.1 **Netspex and the AEC Standard.** Netspex maintains a connection to the AEC CADD Standard. The Netspex application is a duel purpose product, (a) it manages the Standard, and (b) it is a drafting/design tool for the user enabling compliance with the standards while generating the project design elements through selection of menu options and placing design elements in the project design file.

1.2 **Model Files Types and File Names.** There are a few rules to follow in using Netspex and working within the AEC CADD Standard Framework.

1.2.1 Model type files are DGN files that focus specific elements of the project. For example, a set of civil works channel cross sections are required to be in a DGN file containing *only* cross sections. This is true in all disciplines. NetSpex is configured in such a way that only menus containing items pertaining to the specific model type you have chosen are available. These files will be referenced to sheet files as well as the border/title block to complete the drawing set.

1.2.2 Netspex does not control the file naming convention. This procedure is defined in the Standards implementation and resource guide. Corps team members whether in-house District members, AE firms, or Brokering Districts must use this naming format for model and sheet files.

2.0 **Executing the NetSpex Program**. On your desktop you should find an Icon titled Netspex Designer. If initiated, you should see Microstation V8 start.

2.1 Once Microstation starts, the Project Wise Login Dialog should appear. It is important that you login to this dialog. If you are in the Project Wise Explorer and browse to a DGN file in your project and double click to open the file, Netspex will not activate.
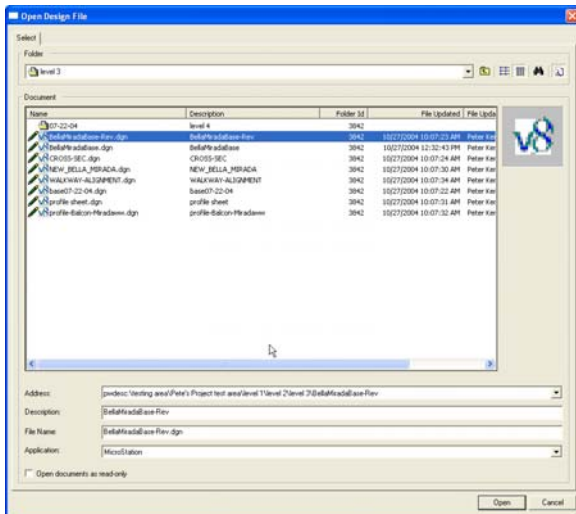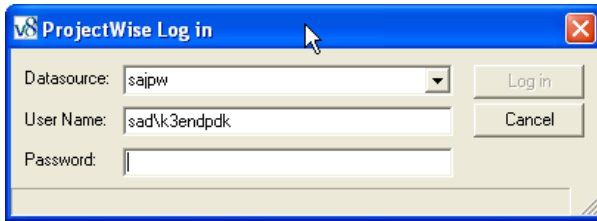
2.2 <u>Project Wise and Open File Dialog</u>. When the Project Wise Login is successful, you will be prompted to open a file (DGN) the dialog presented will be a Project Wise open file dialog. Select the project, and file you whish to checkout and edit.
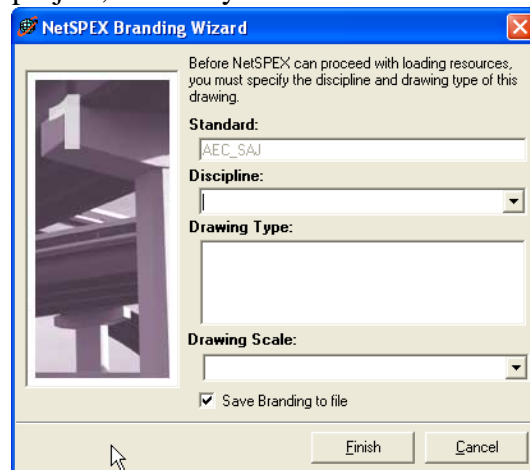

When open the screen should prompt you with a Netspex Branding Wizard

dialog.

2.3 <u>Branding Design Files</u>. The branding Wizard is generated because the file being opened has never been branded in the past. Netspex will not continue unless the branding is complete. Branding is simply marking a file to define its discipline, model type, and finished plot scale.
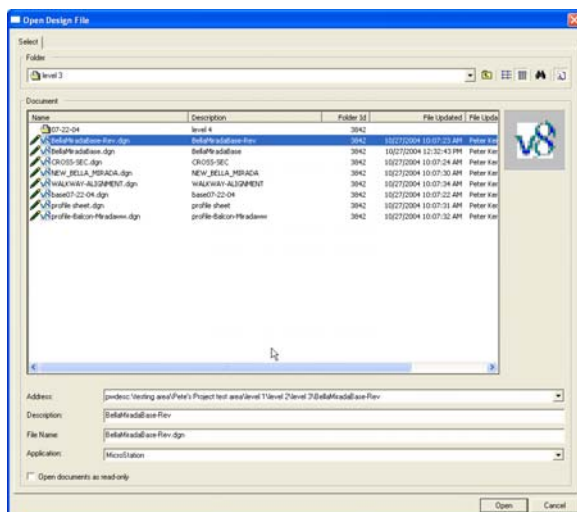
Note the freshly branded file is now marked as a Civil Site Plan at a scale of
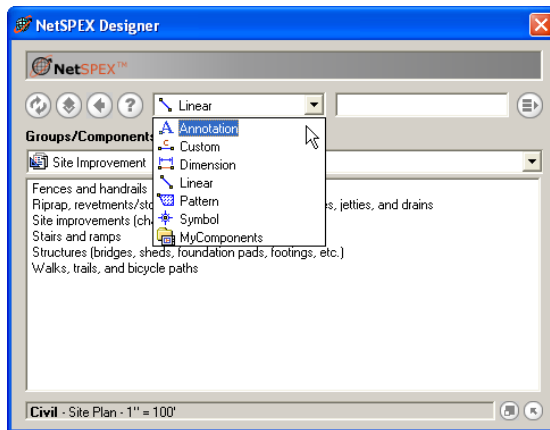

1"=100'. Note also that the pull-down menu shown offers Annotation, Dimensions, linier, patterns, and symbols (cells); all are specific to the branded model type. Each has its own menu items. When an item is selected, a tool component is activated. If the linier menu us activated, the menu item available is shown, Fences for instance would activate the Smart line tool and set the entire standard defined element attributes.

2.4 **Creating a New Design File**. `Select` **New** from the Microstation Main Menu Bar.
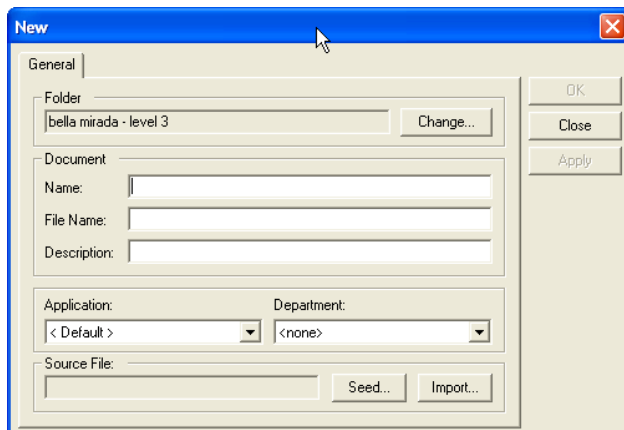
Project Wise will attempt to manage you workspace at this point. The Dialog below is presented to the user to create a new DGN file. This dialog is formatted in 3 sections. The **top section** allows for the browsing to the correct folder with the Project Wise project. The **second or middle section** controls the Document to assign (a) a general name for the design file, (b) create the Standard compliant file name (this format is defined in the Implementation and Resource Guide), (c) Description is not optional

Project wise will require a description for many operations to be successful. Avoid copying the first name and pasting it into the name, file name, and description fields. This "dummies" down the entries. The file name field is rather cryptic and the users will need to follow the implementation guide to properly format the standard compliant name. The **Third Section** is important in that the model type has been branded in seed files for each model type. Each seed contains the level and graphic element assignments for each level. The Netspex discipline/model type "Brand" has been configured also.
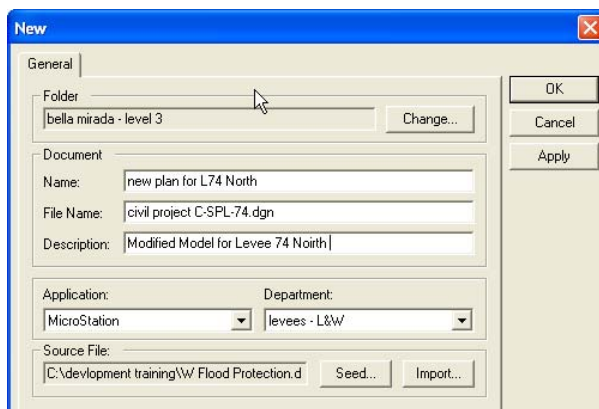
Note: If you are creating a model file for use in inroads the Application field should be set to InRoads. If you are not in InRoads creating designs, then Choose Microstation V8 as the Application type.

The users can find the appropriate seed file for the new design file in the project on the intranet or the District Internet web CADD

page at http://w3saj/cadd/end/caddmanagementandsupport.htm
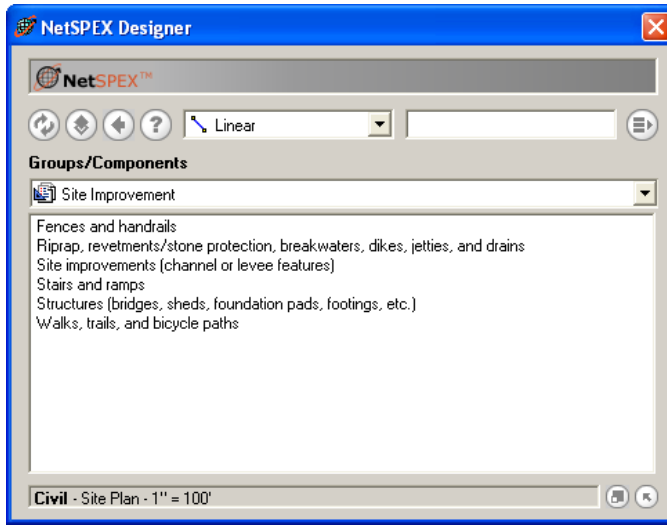
Using the NetSpex Menu System to produce compliant designs. Once the design file has been branded as a Flood Control Features model type and the menu system now provides the available items to choose from. This view shows the items for linier type elements. Pick one of the menu items and the NetSpex will activate the appropriate tool for that item. For instance, selecting fences and handrails will activate the appropriate level and levels attributes and start the Smart line tool. NetSpex work in the same way in all disciplines and model types.

When the model files are completed, the model files and border is referenced to a sheet file. The sheet file contains only general notes scale, north arrow, etc.